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(54) Title: **OLIGONUCLEOTIDE MICROARRAY**

(57) Abstract: The present invention relates to oligonucleotide microarrays comprising short chemically modified RNA oligonucleotides and uses of such microarrays in genomics applications. More specifically, the invention provides an oligonucleotide array comprising a surface and a plurality of oligonucleotide, wherein at least one oligonucleotide has at least one modified sugar moiety at the 2'OH position. The microarrays of the invention are more specifically useful to detect small RNAs.



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